U.S. Patent Application Serial No. **10/708,496**
Amendment filed September 25, 2007
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AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended):   An information processing terminal which is connected

onto a network to which a plurality of <u>additional</u> information processing terminals are connected,

and transmits a signal when it acquires a transmission privilege on the network, comprising:

a bus status detecting means for detecting whether said network is busy or idle;

a counting means for repeating count-up to reach a idle time unit if the network is idle as a

detected result of said bus status detecting means<u>, wherein a node ID of said information processing</u>

<u>terminal is set to be equal to a default node ID0</u>;

a control means for managing a parameter incremented whenever the idle time unit is

detected as a result of count-up by said counting means and creating a transmission frame when said

parameter <u>is equal to said node ID of said information processing terminal</u> ~~agrees with its own node~~

~~ID having a default node ID0 allotted to each node as an initial value~~; and

a transmitting means for transmitting the transmission frame created by said control means.

Claim 2 (currently amended):   An information processing terminal according to claim

1, further comprising a receiving means for receiving the transmission frame,

wherein said transmission frame transmitted from <u>one of said additional</u> ~~the other~~ information

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4   processing ~~terminal~~ terminals connected to said network includes the default node ID0, and

5   said control means extracts the default node ID0 included in the transmission frame received

6   by said receiving means and updates said parameter to said default node ID0.

1   Claim 3 (currently amended):   An information processing terminal according to claim

2   2, further comprising a synchronizing error detecting means for detecting within its own terminal

3   an error which affects the synchronization with <u>said one of said additional</u> ~~the other~~ information

4   processing ~~terminal~~ terminals on said network and relates to counting of said parameter,

5   wherein when the error is detected by said synchronizing error detecting means, said control

6   means sets <u>said node ID of said information processing terminal to be equal to a sum of said default</u>

7   <u>node ID0 and a maximum node number n</u> ~~its new own node ID at the sum of a prescribed value~~

8   ~~enough to continue the period dedicated to reception for a prescribed time and said default node ID0~~,

9   and thereafter when said transmission frame is normally received by said receiving means, said

10   control means updates said parameter to said default node ID0 included in said transmission frame.

1   Claim 4 (currently amended):   <u>An information processing terminal according to one</u>

2   <u>of claims 1 to 3, having a transmission privilege providing system wherein a</u> ~~A transmission~~

3   ~~privilege rounding system wherein a plurality of information processing terminals one of which is~~

4   ~~defined by one of claims 1 to 3 are connected to the same network, and said~~ transmission privilege

5   is <u>provided to each of</u> ~~rounded among~~ said <u>information processing terminal and said</u> plurality of

6   additional information processing terminals one at a time.

1   Claim 5 (currently amended):   A method for providing ~~rounding~~ a transmission

2   privilege to each of a plurality of nodes one at a time, said plurality of nodes being connected on a

3   network ~~to which a plurality of nodes are connected~~, comprising the steps to be carried out by each

4   of said nodes of:

5   detecting whether said network is busy or idle, repeating count-up to reach an idle time unit

6   if said network is idle, and

7   incrementing a parameter whenever said idle time is detected;

8   transmitting the transmission frame inclusive of the node ID if said parameter agree with the

9   node ID;

10   extracting said node ID included in said transmission frame when said transmission frame

11   is received from the network and updating said parameter to said node ID.

1   Claim 6 (original):   A computer-readable transmission privilege acquisition program

2   loaded in a node which can transmit a signal onto a network to which a plurality of nodes are

3   connected when each node acquires a transmission privilege, said program causing a computer to

4   execute:

5   processing of detecting whether said network is busy or idle;

6   processing of repeatedly counting to reach a idle time unit if said network is idle;

7   processing of incrementing a parameter whenever said idle time is detected, thereby creating

8 a transmission frame inclusive of the node ID if said parameter agree with the node ID; and

9   processing of transmitting the transmission frame thus created.

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